

In the Claims

1. An apparatus comprising:

a memory card having:

a first modular component that comprises a first host interface and a first host interface module; and

a device interface module configured to operate a device interface that is coupled to a storage device;

wherein the first host interface module is configured to call a function in the device interface module, wherein the first modular component is replaceable with a second modular component that comprises a second host interface and a second host interface module, and wherein the second host interface module is configured to call the function in the device interface module.

2. The apparatus of claim 1 wherein the first modular component is associated with a first type of interface, and wherein the second modular component is associated with a second type of interface.

3. The apparatus of claim 1 wherein the first host interface module is configured to call the function in the device interface module in response to receiving a first command from a first host coupled to the first host interface.

4. The apparatus of claim 3 wherein the second host interface module is configured to call the function in the device interface module in response to receiving a second command from a second host coupled to the second host interface.

5. The apparatus of claim 3 wherein the first command comprises a read command.

6. The apparatus of claim 3 wherein the first command comprises a write command.

7. (withdrawn) A system comprising:

a card configured to plug in to a first host or a second host;
a first host interface in the card and configured to communicate with the first host;
a first host interface module configured to operate the first host interface;
a second host interface in the card and configured to communicate with the second host;
a second host interface module configured to operate the second host interface;
a device interface in the card and configured to communicate with a storage device; and
a device interface module configured to operate the device interface;
wherein the first host interface module is configured to call a function in the device interface in response to receiving a first command from the first host, and wherein the second host interface module is configured to call the function in the device interface in response to receiving a second command from the second host.

8. (withdrawn) The system of claim 7 wherein the first host interface comprises a first type of interface, and wherein the second host interface comprises a second type of interface that differs from the first type of interface.

9. (withdrawn) The system of claim 7 further comprising:

a system module;
wherein the system module is configured to call a second function in the first host interface module, and wherein the system module is configured to call the second function in the second host interface module.

10. (withdrawn) The system of claim 7 further comprising:

a data mover;
wherein the first host interface module is configured to operate the data mover, and wherein the second host interface module is configured to operate the data mover.

11. An apparatus comprising:

a memory card having:

a first modular component that comprises a first device interface and a first device interface module; and

a host interface module configured to operate a host interface that is coupled to a host;

wherein the first device interface module is configured cause a first function to be executed in response to receiving a function call from the host interface module, wherein the first modular component is replaceable with a second modular component that comprises a second device interface and a second device interface module, and wherein the second device interface module is configured to cause a second function to be executed in response to receiving the function call from the host interface module.

12. The apparatus of claim 11 wherein the first modular component is associated with a first type of storage device, and wherein the second modular component is associated with a second type of storage device.

13. The apparatus of claim 11 wherein the host interface module is configured to call the first function in the first device interface module in response to receiving a first command from the host.

14. The apparatus of claim 13 wherein the host interface module is configured to call the second function in the second device interface module in response to receiving a second command from the host.

15. The apparatus of claim 13 wherein the first command comprises a read command.

16. The apparatus of claim 13 wherein the first command comprises a write command.

17. (withdrawn) A system comprising:

a card configured to plug in to a host;

a first device interface in the card and configured to communicate with a first storage device in the card;

a first device interface module configured to operate the first device interface;

a second device interface in the card and configured to communicate with a second storage device in the card;

a second device interface module configured to operate the second device interface;

a host interface in the card and configured to communicate with the host; and

a host interface module configured to operate the host interface;

wherein the first device interface module is configured to cause a first function to be executed in response to receiving a function call from the host interface module, and wherein the second device interface module is configured to cause a second function to be executed in response to receiving the function call from the host interface module.

18. (withdrawn) The system of claim 17 wherein the first storage device comprises a first type of storage device, and wherein the second storage device comprises a second type of storage device that differs from the first type of storage device.

19. (withdrawn) The system of claim 17 further comprising:

a system module;

wherein the system module is configured to call a third function in the host interface module.

20. (withdrawn) The system of claim 17 further comprising:

a data mover;

wherein the host interface module is configured to operate the data mover.

21. (withdrawn) A method performed by a first modular component that comprises a first host interface and a first host interface module in a memory card comprising:

receiving a command from a host;

calling a first function in a system module that is configured to allow a second modular component that comprises a second host interface and a second host interface module to call the first function; and

calling a second function associated with the command in a device interface module that is configured to allow the second modular component to call the second function.

22. (withdrawn) The method of claim 21 further comprising:

initiating a third function in response to a call from the system module.

23. (withdrawn) The method of claim 22 further comprising:

calling a fourth function associated with the command to cause the first host interface and a data mover to be set up.

24. (withdrawn) The method of claim 23 further comprising:

performing a call return to cause the system module to return to a system idle loop subsequent to the second function being performed by the device interface module.